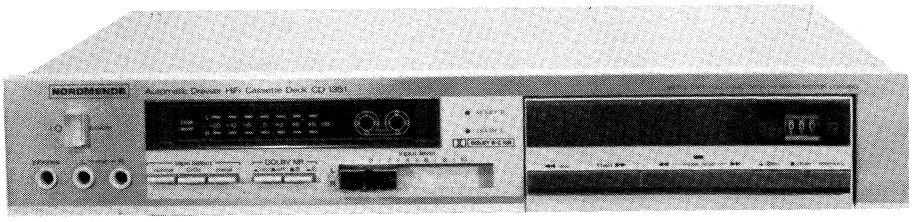
TECHNISCHER KUNDENDIENST

Service-Information



HIFI Cassetten Deck CD 1351
983.171 H

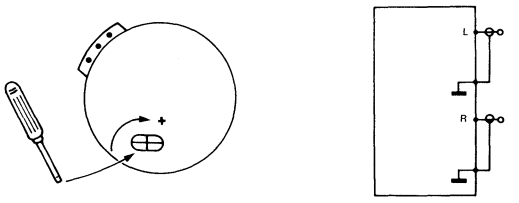
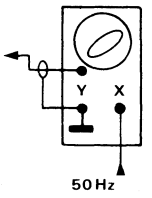
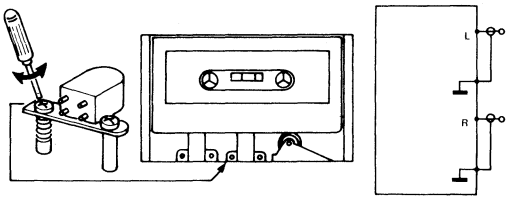
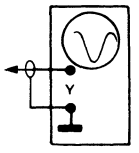
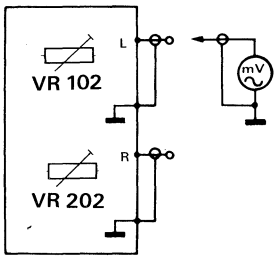
Technical data - Caractéristiques principales - Technische Daten
Caracteristicas del aparato - Dati tecnici

Power supply Alimentation Stromversorgung Alimentación Alimentazione 220 V - 50 Hz	Power consumtion Consommation Leistungsaufnahme Consumo Consumo 20 W
Normal - CrO_2 - metal C 30, C 60, C 90	« ▷▷ » « ◁◁ » C 60 = 110 sec.
Wow and flutter Fluctuations Gleichlauf Fluctuaciones Fluttuazioni 0,14 %	Frequenzy response Courbe de réponse Frequenzgang Banda pasante Curva di riposta 30 Hz – 16 kHz
⟷ 440 mm ↕ 77 mm ⟋ 265 mm 5,0 kg	

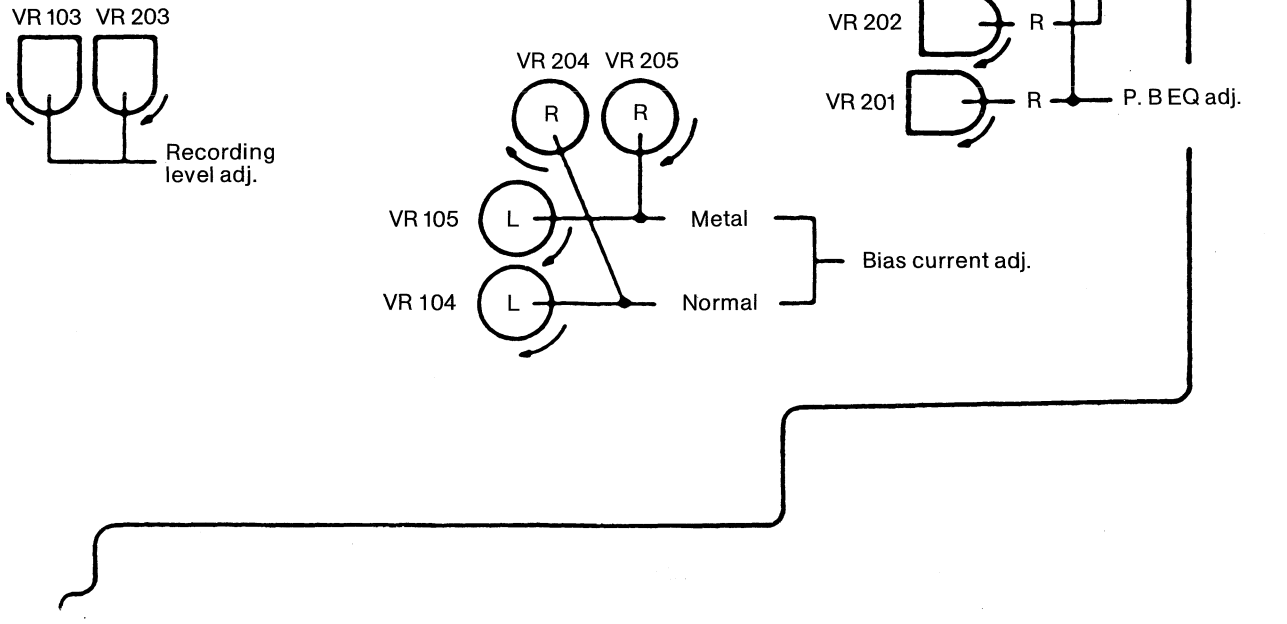
NORDMENDE

These instructions are for service dealers only · Subject to modification · Ces indications et instructions sont destinées exclusivement au service du commerce spécialisé Modifications réservées · Diese Angaben und Hinweise sind ausschließlich für den Service des Fachhändlers bestimmt · Änderungen vorbehalten·Estos datos e instrucciones son destinados exclusivamente al servicio técnico del revendedor · Salvo modificación · Questi dati e queste istruzioni sono riservati ai tecnici del servizio assistenza · Con riserva di modifiche

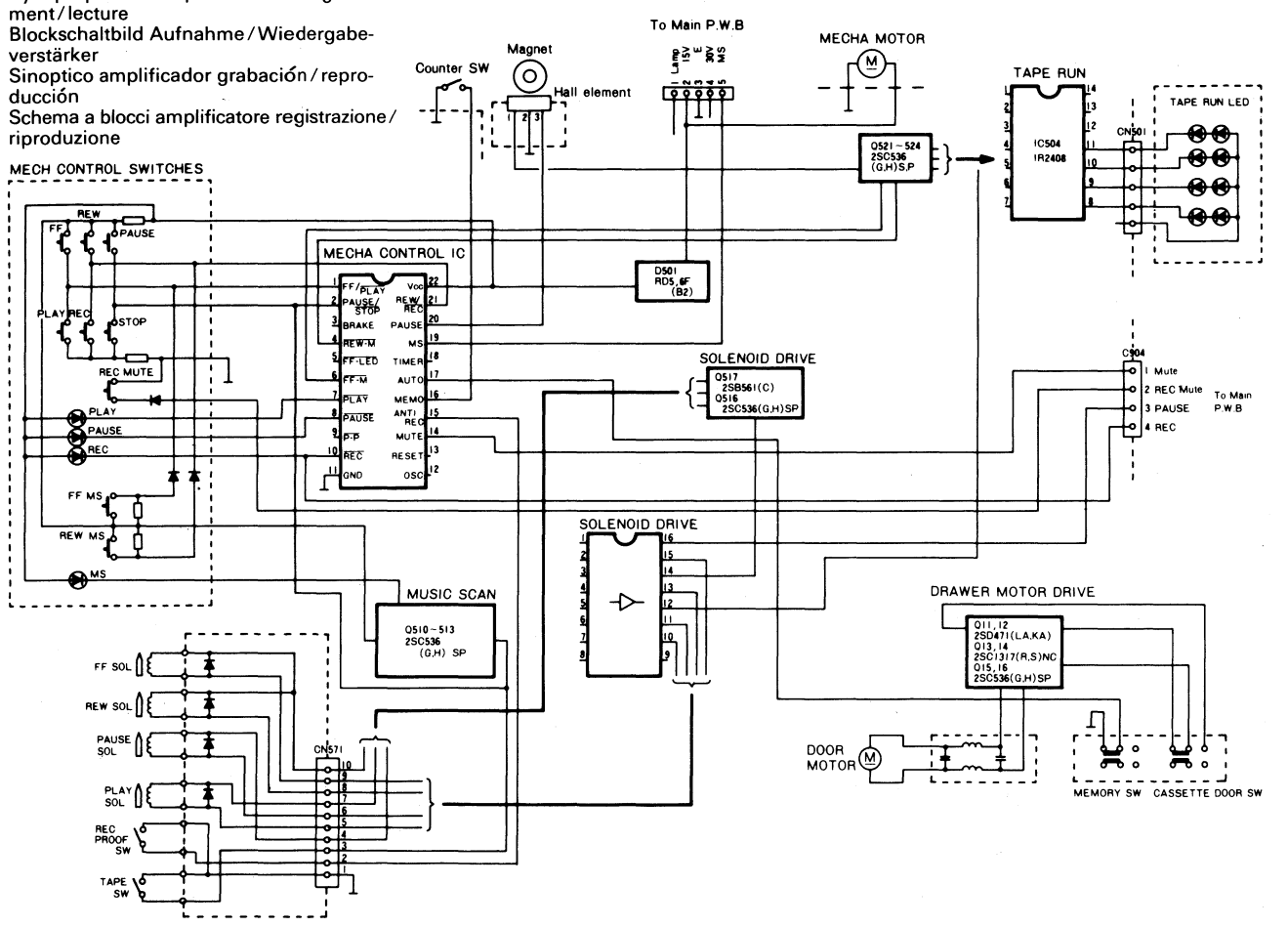
Code : 968 TN 0264

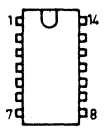
Tape tension **Tension de bande** **Bandzug** **Tension de la cinta** **Tensione del nastro**	DYNAMOMETER		« ▷ » 40 g/ cm<70 g/ cm « ▷▷ » « ◁◁ » 80 g/cm<120 g/cm
Tape speed **Vitesse de défilement** **Bandgeschwindigkeit** **Velocidad de la cinta** **Velocità den nastro**	TEST f – 50 Hz « ▷ »		
Azimuth adjustment **Réglage d'azimut** **Tonkopfeinstellung** **Ajuste de azimut** **Regolazione de azimut**	TEST f – 6,3 kHz « ▷ »		
Playback sensitivity **Gain en lecture** **Wiedergabeempfindlichkeit** **Ganancia en reproduccion** **Sensibilità di riproduzione**	TEST f – 1 kHz normal « ▷ »		V≃580 mV

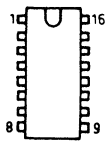
Turning in the direction of the arrow increases the level.
Tourner dans le sens de la flèche augmente le niveau.
Drehen in Pfeilrichtung erhöht den Pegel.
Girando en el sentido de la flecha aumenta el nivel.
Girare nel senso della flecha per aumentare il nivello.

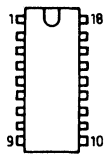


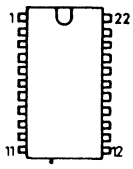
Block Diagram record / playbackamplifier
Synoptique de l'amplificateur enregistrement / lecture
Blockschaltbild Aufnahme / Wiedergabeverstärker
Sinoptico amplificador grabación / reproducción
Schema a blocci amplificatore registrazione / riproduzione

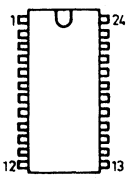


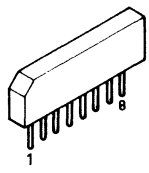

IR2408

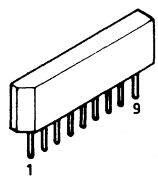

IR2C03

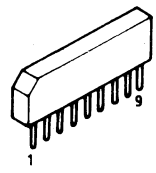

NE652N

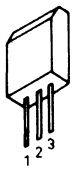

MSL9312RS

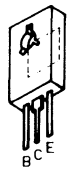

NE654N


UPC1228


LA2000


M5218L


DN6838A


2SB772

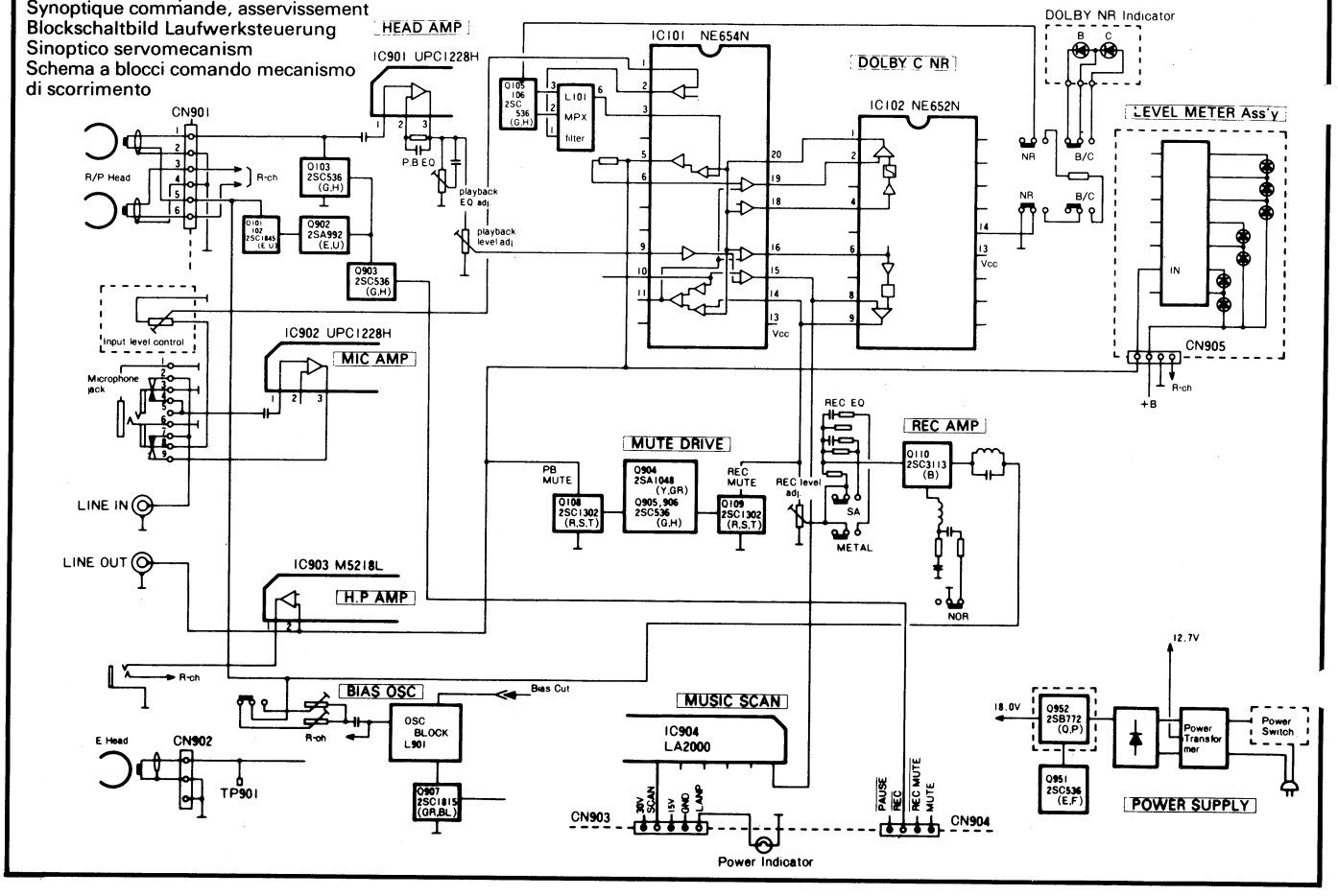
2SA1048
2SC3113

2SA992
2SC536
2SC1302
2SC1815
2SC1845

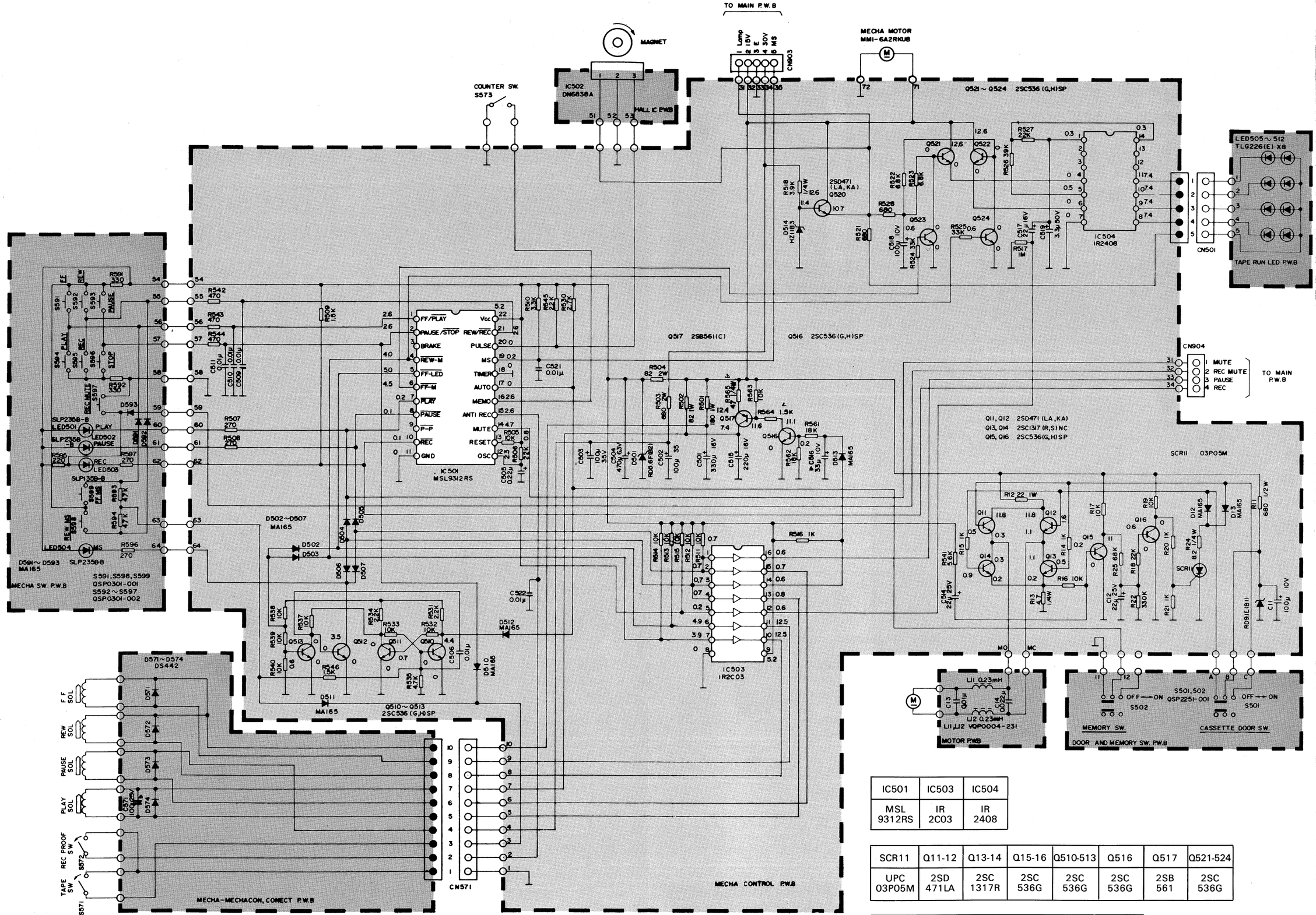
2SK301

UPC03P05M

Block diagram Mechanism control
Synoptique commande, asservissement
Blockschaltbild Laufwerksteuerung
Sinoptico servomecanism
Schema a blocci comando mecanismo di scorrimento



Bias « metal »	Bias « CrO_2 and « normal »	Recording level
1. Record 1 kHz and 10 kHz with a level of − 20 dB. 2. AF-VM on socket « play ». 3. The level must be identical for both frequencies during playback. If necessary, adjust and repeat the recording bias with VR 105, VR 205.	1. Record 1 kHz and 10 kHz with a level of − 20 dB. 2. AF-VM on socket « play ». 3. The level must be identical for both frequencies during playback. If necessary, adjust and repeat the recording bias with VR 104, VR 204.	1. Connect 1 kHz generator to jack « rec » and set level for 0 dB. 2. Set unit for record mode and set modulation at 0 dB. 3. During playback, the level must reach 0 dB. If necessary, realign the record level using VR 103, VR 203.
Prémagnétisation « metal »	**Premagnétisation « CrO_2 et norm »**	**Niveau d'enregistrement**
1. Faire un enregistrement de 1 kHz et de 10 kHz avec un niveau de − 20 dB. 2. AC-VM sur prise cinch de sortie. 3. A la reproduction, le niveau des deux fréquences doit être le même. Si nécessaire, régler la prémagnétisation d'enregistrement avec VR 105, VR 205.	1. Faire un enregistrement de 1 kHz et de 10 kHz avec un niveau de − 20dB. 2. AC-VM sur prise cinch de sortie. 3. A la reproduction, le niveau des deux fréquences doit être le même. Si nécessaire, régler la prémagnétisation d'enregistrement avec VR 104, VR 204.	1. Brancher le générateur 1 kHz sur la prise « rec » et régler la modulation sur 0 dB. 2. Mettre l'appareil sur enregistrement et la modulation sur 0 dB. 3. Le niveau doit atteindre 0 dB à la reproduction, éventuellement compenser, le niveau d'enregistrement avec VR 103, VR 203.
Vormagnetisierung « metal »	**Vormagnetisierung « CrO_2 und normal »**	**Aufnahmepegel**
1. 1 kHz und 10 kHz mit einem Pegel von − 20 dB Aussteuerung aufnehmen. 2. NF-VM an Buchse « play ». 3. Bei Wiedergabe muß der Pegel für beide Frequenzen gleich sein. Falls erforderlich mit VR 105, VR 205. Aufnahmevormagnetisierung verändern und wiederholen.	1. 1 kHz und 10 kHz mit einem Pegel von − 20dB Aussteuerung aufnehmen. 2. NF-VM an Buchse « play ». 3. Bei Wiedergabe muß der Pegel für beide Frequenzen gleich sein. Falls erforderlich mit VR 104, VR 204 Aufnahmevormagnetisierung verändern und wiederholen.	1. Generator 1 kHz an Buchse « rec ». 2. Gerät auf Aufnahme und Aussteuerung auf 0 dB einstellen. 3. Pegel muß bei Wiedergabe 0 dB erreichen, sonst Aufnahmepegel mit VR 103, VR 203 nachgleichen.
Premagnetización « metal »	**Premagnetización « CrO_2 y normal »**	**Nivel de grabación**
1. Grabar las frecuencias de 1 kHz y de 10 kHz con un nivel de − 20 dB. 2. AF-VM sobre toma cinch de salida. 3. En reproducción el nivel de las dos frecuencias debe ser el mismo. Si necesario ajustar la premagnetización de grabación con VR 105, VR 205.	1. Grabar las Frecuencias de 1 kHz y de 10 kHz con un nivel de − 20 dB. 2. AF-VM sobre toma cinch de salid. 3. En reproducción el nivel de las dos frecuencias debe ser el mismo. Si necesario ajustar la premagnetización de grabción on VR 104, VR 204.	1. Generador 1 kHz sobre toma « rec » y ajustar la modulación a 0 dB. 2. Aparato en grabación y nivel sobre 0 dB. 3. En reproducción el nivel debe ser de 0 dB. Si no lo es corregir con VR 103, VR 203.
Premagnetizzazione « metal »	**Premagnetizzazione « CrO_2 e normal »**	**Livello in registrazione**
1. Registrare le frequenze di 1 kHz e di 10 kHz con un livello di − 20 dB. 2. NF-VM su presa « play ». 3. Nella riproduzione il livello deve essere identico per ambedue le frequenze. Se necessario, correggere la premagnetizzazione di registrazione con VR 105, VR 205 e ripetere la prova.	1. Registrare le frequenze di 1 kHz e di 10 kHz con u livello di − 20 dB. 2. NF-VM su presa. 3. Nella riproduzione il livello deve essere identico per ambedue le frequenze. Se necessario, correggere la premagnetizzazione di registrazione con VR 104, VR 204 e ripetere la prova.	1. Generatore 1 kHz alla boccola « rec » e regolare livello su zero dB. 2. Regolare l'apparecchio su registrazione e indicazione livello zero dB. 3. Il livello in riproduzione deve avere 0 dB, eventualmente correggere il livello di registrazione con VR 103, VR 203.



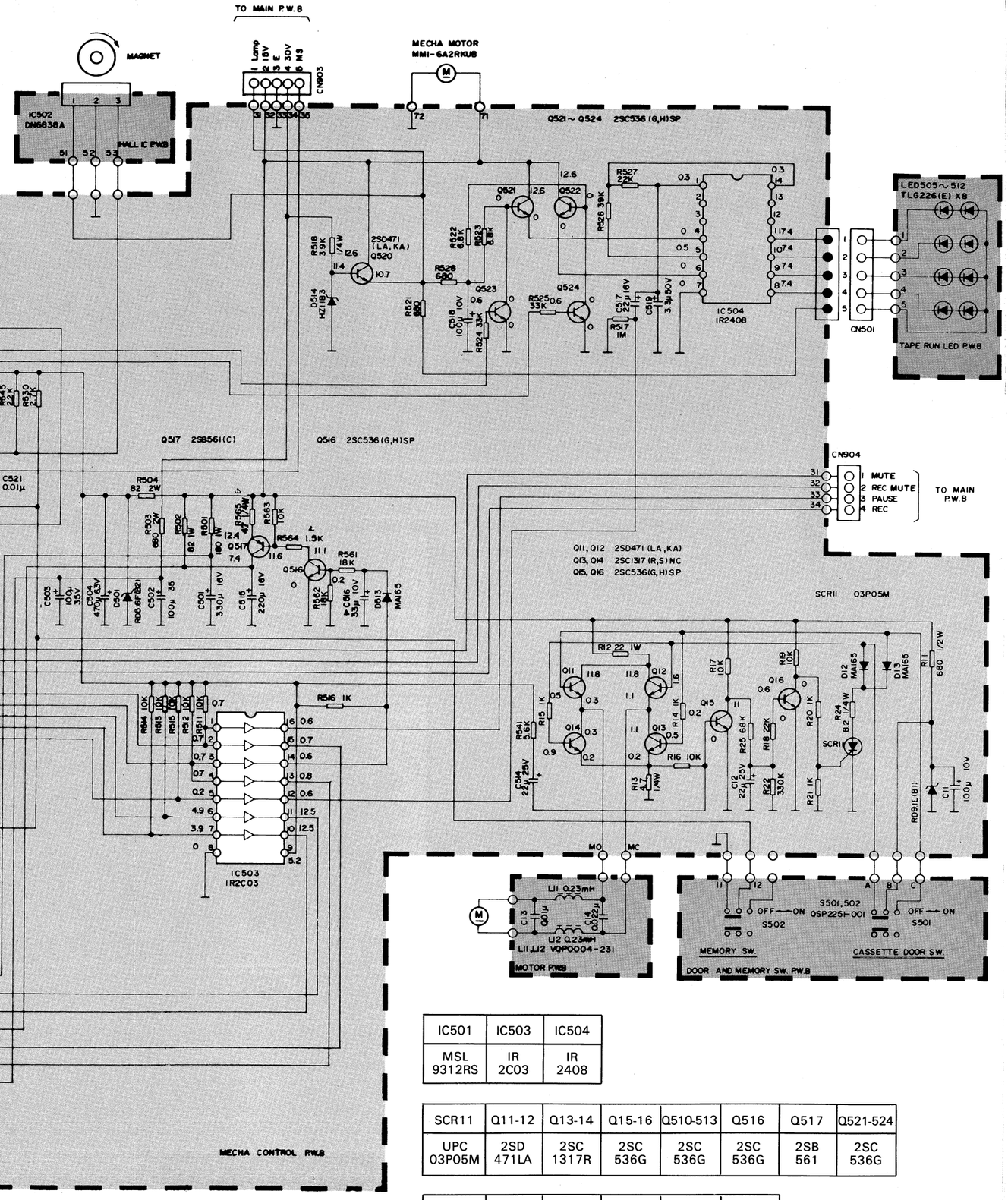
IC501	IC503	IC504
MSL 9312RS	IR 2C03	IR 2408

SCR11	Q11-12	Q13-14	Q15-16	Q510-513	Q516	Q517	Q521-524
UPC 03P05M	2SD 471LA	2SC 1317R	2SC 536G	2SC 536G	2SC 536G	2SB 561	2SC 536G

D11	D12-13	D501	D504-507	D510-513	D514
RD 9,1EB	MA 165	RD 5,6FB	MA 165	MA 165	HZ 11B3

VMW2542 P02

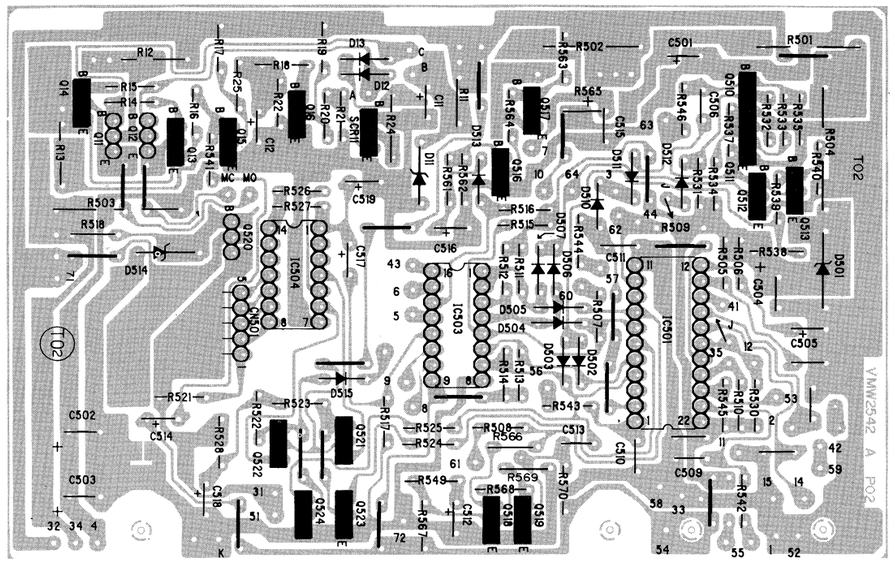
PCB
Plati
LTP
Plati
Piast



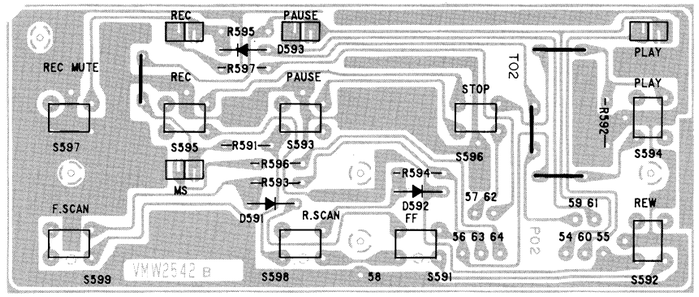
IC501	IC503	IC504
MSL 9312RS	IR 2C03	IR 2408

SCR11	Q11-12	Q13-14	Q15-16	Q510-513	Q516	Q517	Q521-524
UPC 03P05M	2SD 471LA	2SC 1317R	2SC 536G	2SC 536G	2SC 536G	2SB 561	2SC 536G

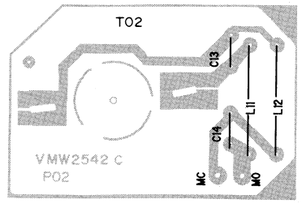
D11	D12-13	D501	D504-507	D510-513	D514
RD 9,1EB	MA 165	RD 5,6FB	MA 165	MA 165	HZ 11B3



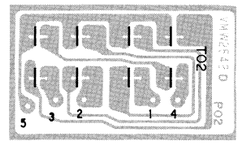
PCB mechanism control
Platine régulation moteur
LTP Laufwerksteuerung
Platina regulación motor
Piastra comando mechanismo di scorrimento



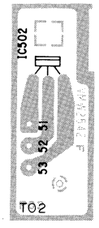
PCB Function switch
Platine sélecteur de fonctions
LTP Funktionsschalter
Platina selector de funciones
Piastra selettore di funcioni



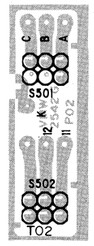
PCB motor
Platine moteur
LTP Motor
Platina motor
Piastra motore



PCB tape running direction indicator
Platine indicateur du sens de défilement de la bande
LTP Anzeige Bandumspulrichtung
Platina indicador del sentido de transporte de la cinta
Piastra indicatori del senso di scorrimento del nastro



PCB Hall IC
Platine CI Hall
LTP Hall IC
Platina CI Hall
Piastra CI Hall



PCB memory switch
Platine interr. memory
LTP Memory-Schalter
Platina interruptor memory
Piastra memory

HEAD SW

HEAD AMP

Q101, Q102 2SC1845(E,U)
Q107 2SC1302(R,S,T)
Q901 2SA1048(Y,GR)
Q902 2SA992(E,U)
Q903 2SC536(G,H)
Q103 2SC536(G,H)
Q104 2SK301(R,S)
Q105,Q106 2SC536(G,H)

IC901 UPC1228H

IC101 NE654N

IC102 NE652N

DOLBY

LED P.W.B

LEVEL METER ASSY LT-1082

CN901

CN905

INPUT VR P.W.B
QVZ6301-001
VR106 50k(A)

MIC AMP

IC902 UPC1228H

H.P. AMP

IC903 M5218L

MUTE DRIVE

REC AMP

Q110 2SC3113(B)

POWER SUPPLY

POWER TR P.W.B

2SB772(Q,P)
Q952

Q951 2SC536(E,F)

POWER TRANSFORMER

POWER SWITCH P.W.B S1
QSP1110-305
C1 0.01
QFZ9010-103

AC220V 50/60Hz

POWER IND

BIAS OSC

OSC BLOCK

MUSIC SCAN

IC904 LA2000

Q907 2SC1815(GR,BL)

Q904 2SA1048 (Y,GR)

Q905 2SC536 (G,H)

Q906 2SC536(G,H)
Q109 2SC1302(R,S,T)

Q108 2SC1302 (R,S,T)

CN902

CN903
30V
SCAN
15V
GND
Lamp

CN904
PAUSE
REC
REC MUTE
MUTE

LINE IN

LINE OUT

R-CH

SA

METAL

S901 ON

S902 ON

S903 OFF ON NR

S904 B/C

S905 OFF ON NR

S906 B/C

S907 ON

S908 ON

S101 ON

S102 ON

S103 ON METAL

S104 ON NOr

REC/PLAY

BIAS CUT

TP101

TP901

VQZ0016-001

VQZ0013-001

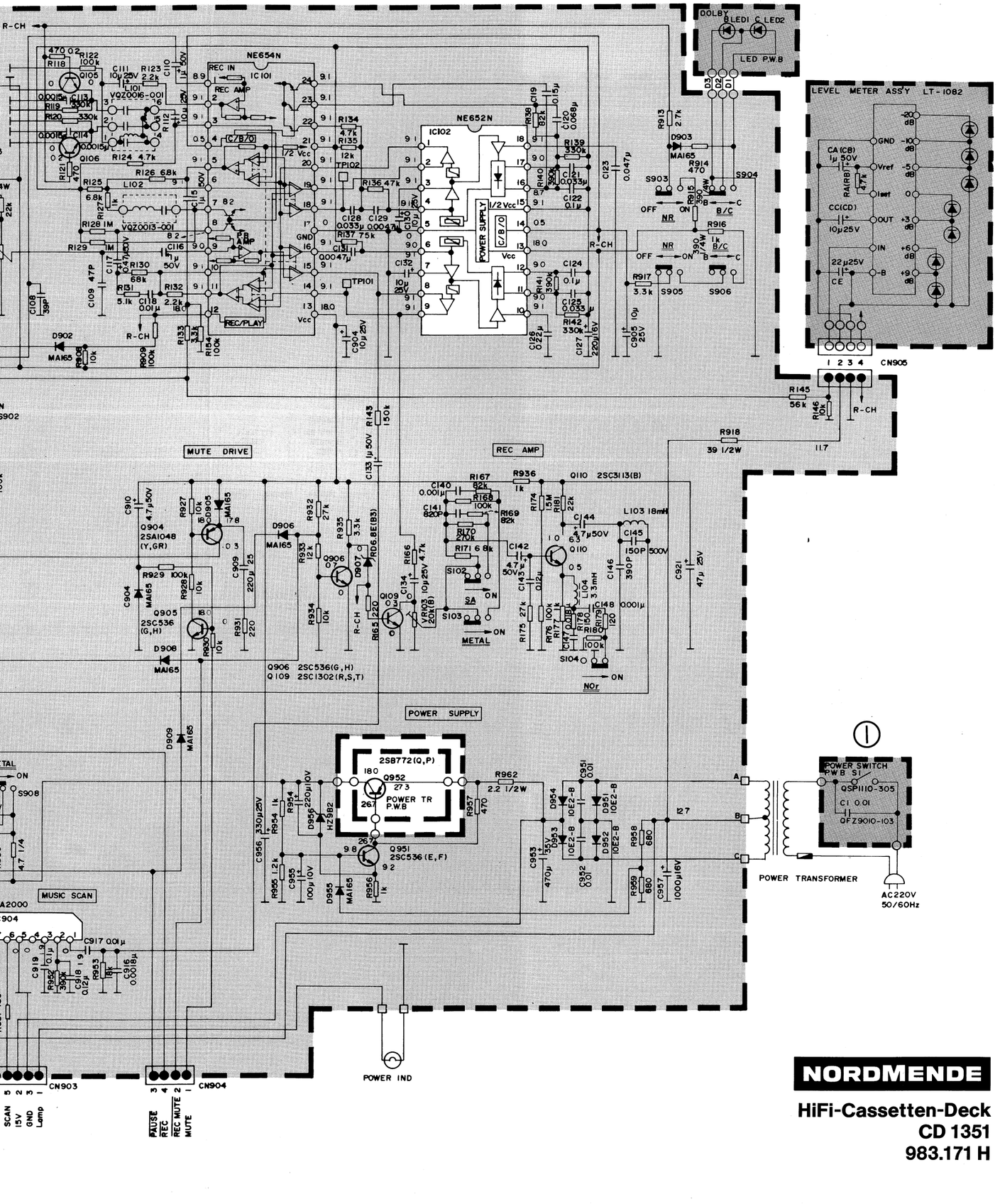
PCB Record
Platine Enre
LTP Aufnah
Platina grab
Piastra regis

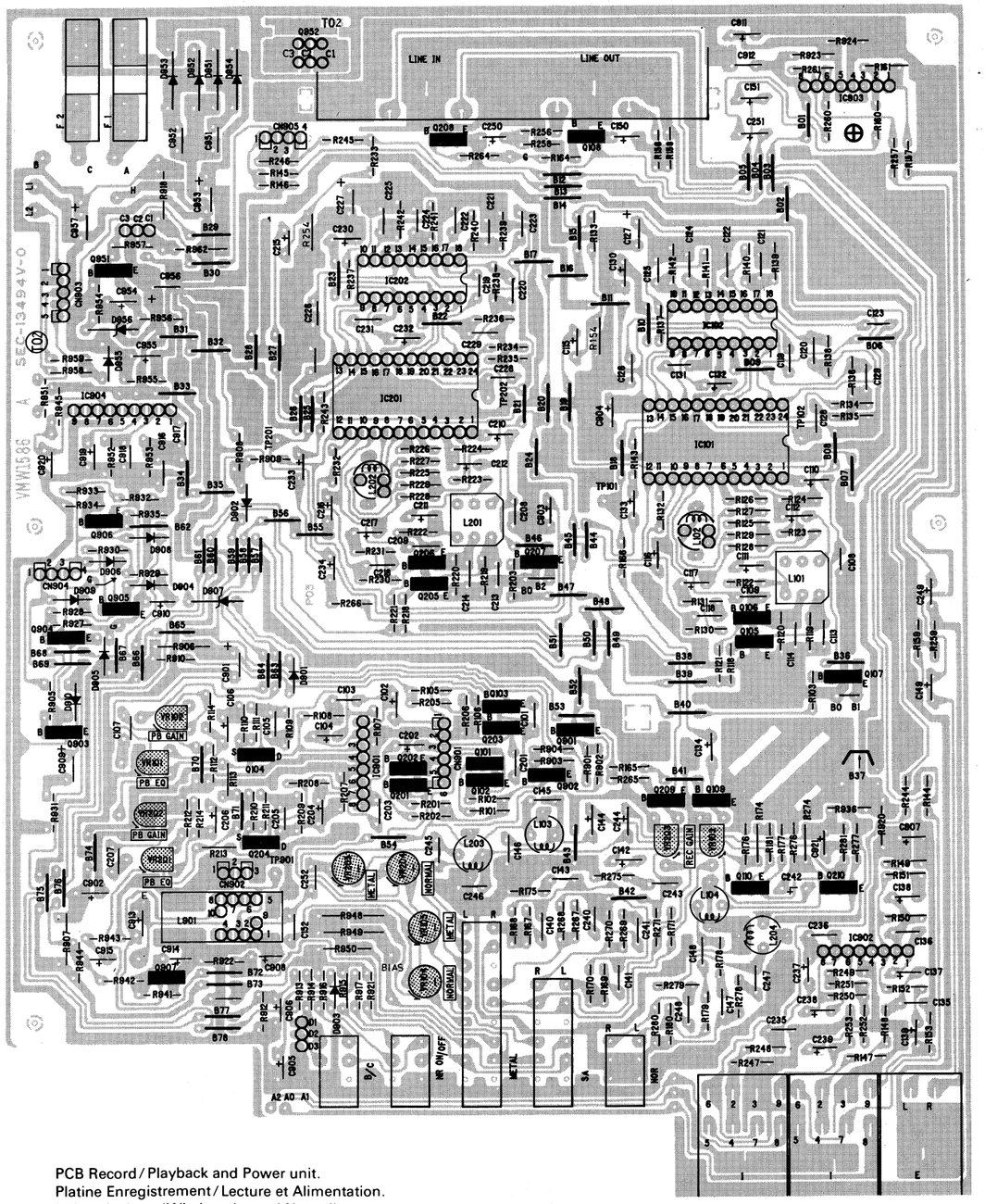
Q101-201
2SC 1845E

Q903
2SC 536G,H

NORDMENDE

HiFi-Cassetten-Deck
CD 1351
983.171 H





PCB Record / Playback and Power unit.
Platine Enregistrement / Lecture et Alimentation.
LTP Aufnahme / Wiedergabe und Netzteil.
Platina grabación / reproducción y alimentación.
Piastra registrazione / riproduzione e rete.

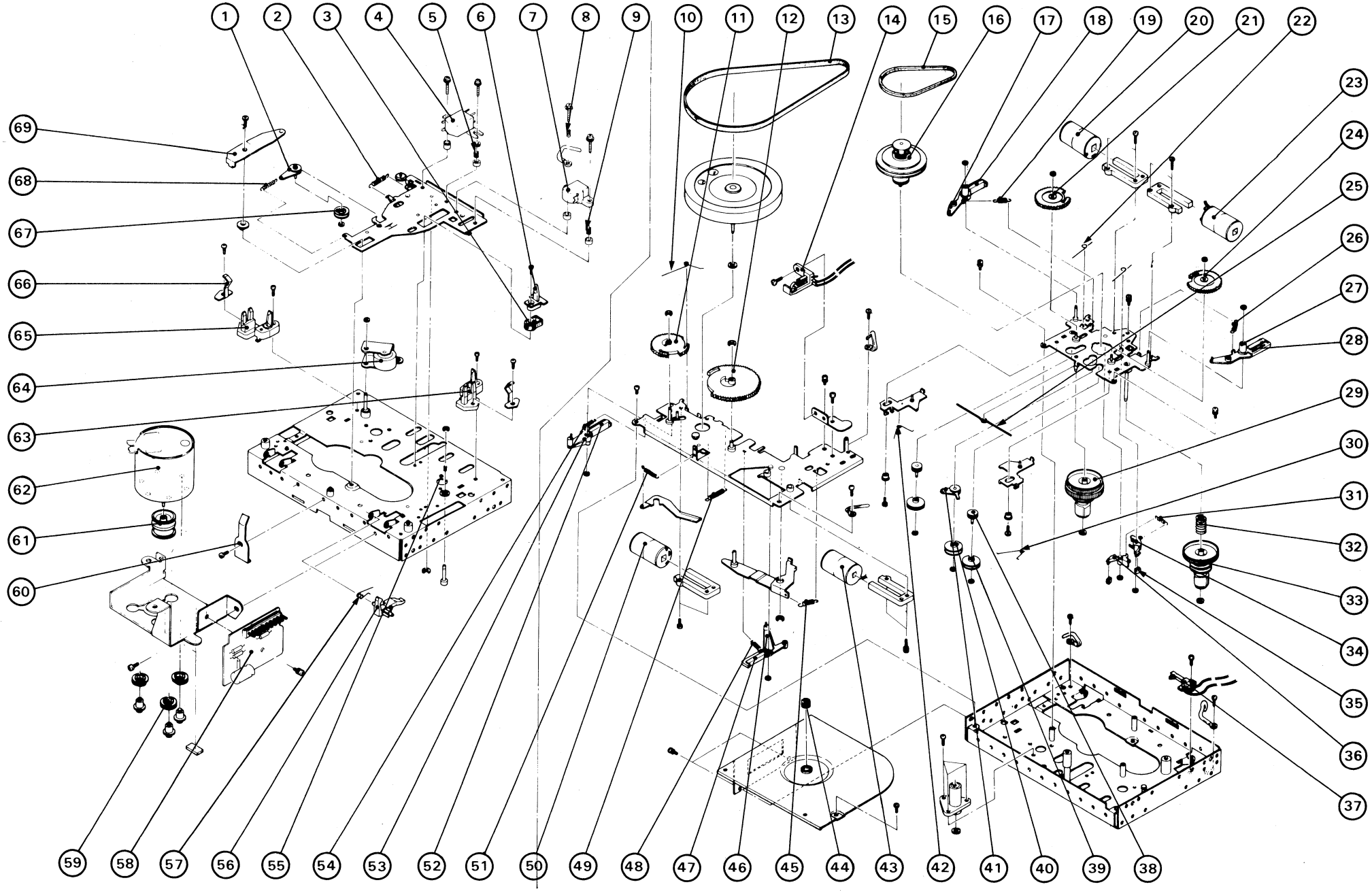
IC101-201	IC102-202	IC901-902	IC903	IC904
NE 654N	NE 652N	UPC 1228	M 5218L	LA 2000

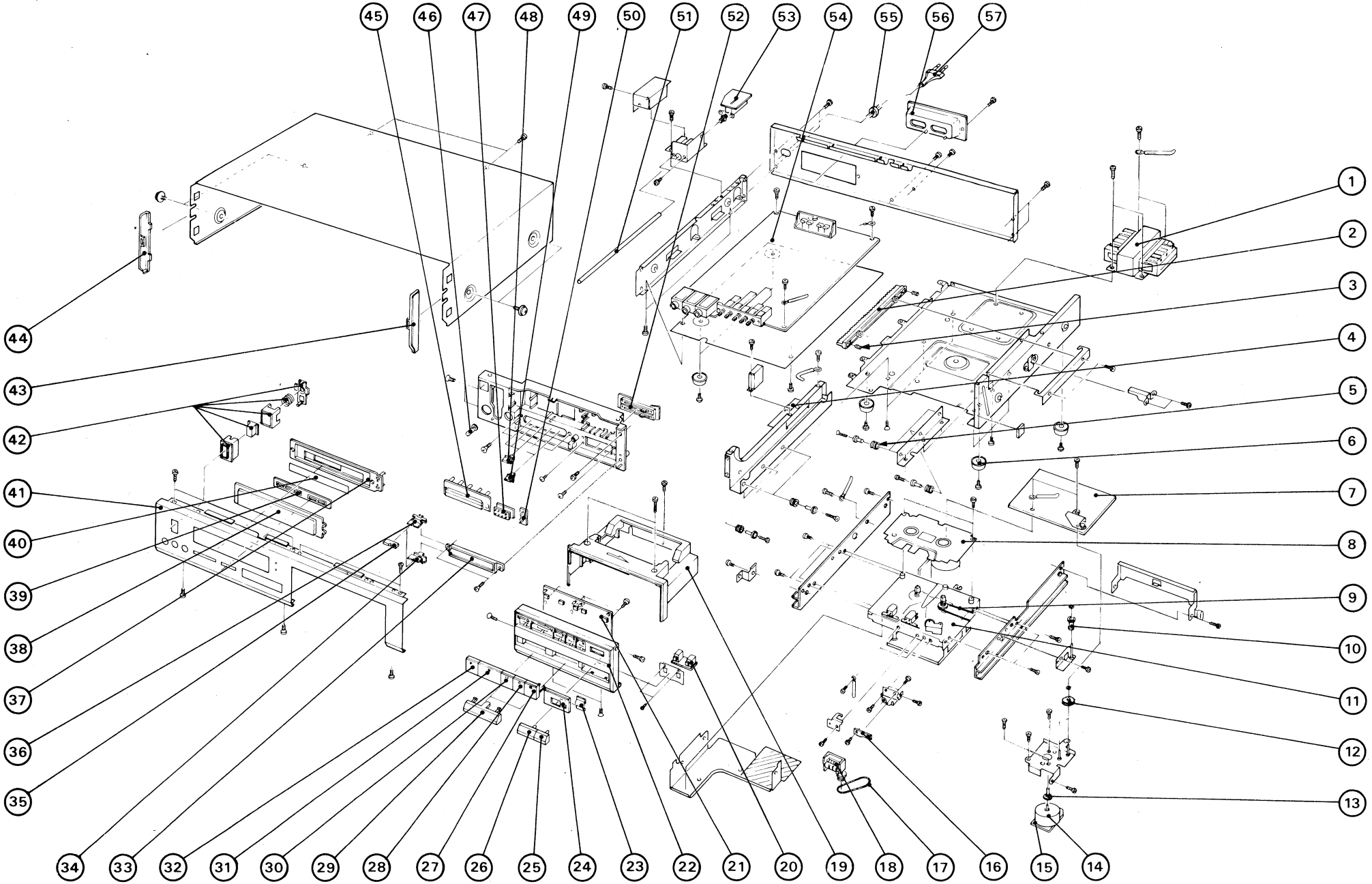
Q101-201	Q120-202	Q103-203	Q104-204	Q105-205	Q106-206	Q107-207	Q108-208	Q109-209	Q110-210	Q901	Q902
2SC 1845E	2SC 1845E	2SC 536G,H	2SK 301	2SC 536G,H	2SC 536G,H	2SD 1302S	2SD 1302S	2SD 1302S	2SC 3113	2SA 1408	2SA 992E

Q903	Q904	Q905	Q906	Q907	Q951	D901-906	D907	D908-910	D951-954	D955	D956
2SC 536G,H	2SA 1084GR	2SC 536G,H	2SC 536G,H	2SC 1815	2SC 536E,F	MA 165	RD 6,8EB	MA 165	10E2B	MA 165	HZ9B

NORDMENDE

HiFi-Cassetten-Deck
CD 1351
983.171 H


1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69


1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57